

FIG. 1A

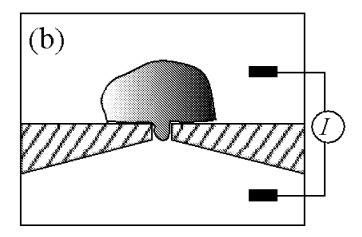
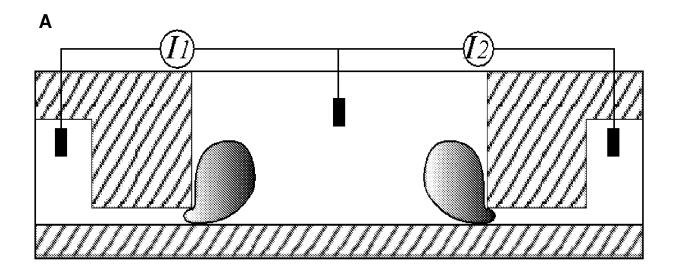


FIG. 1B



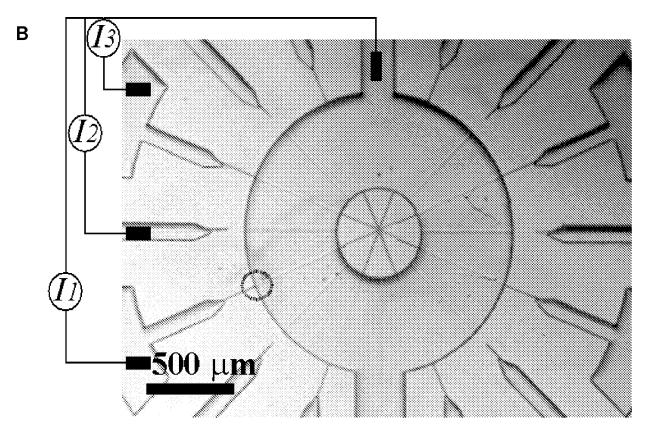


FIG. 2A & B

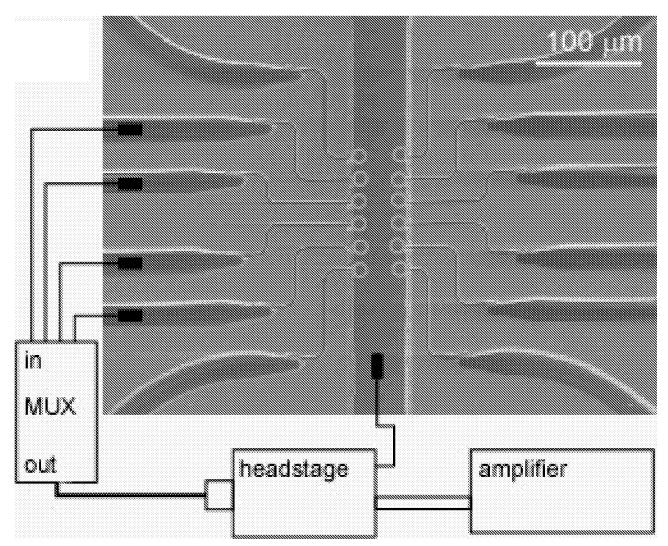


FIG. 2C

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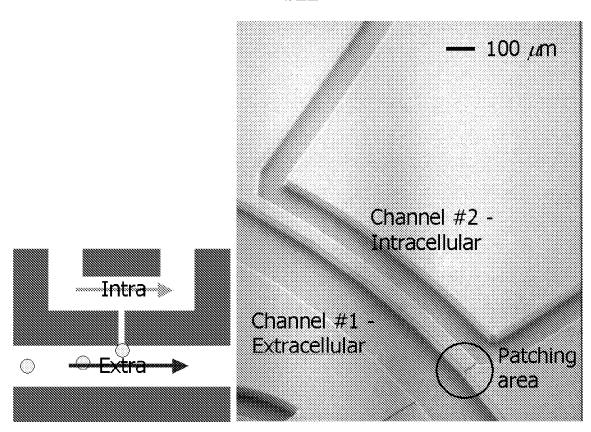


FIG. 3

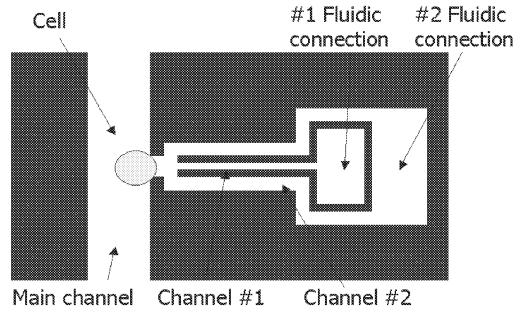


FIG. 4



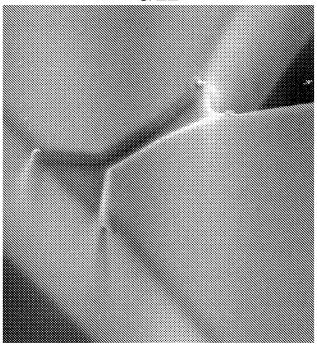


FIG. 5A

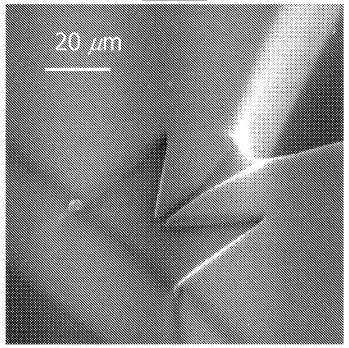


FIG. 5B



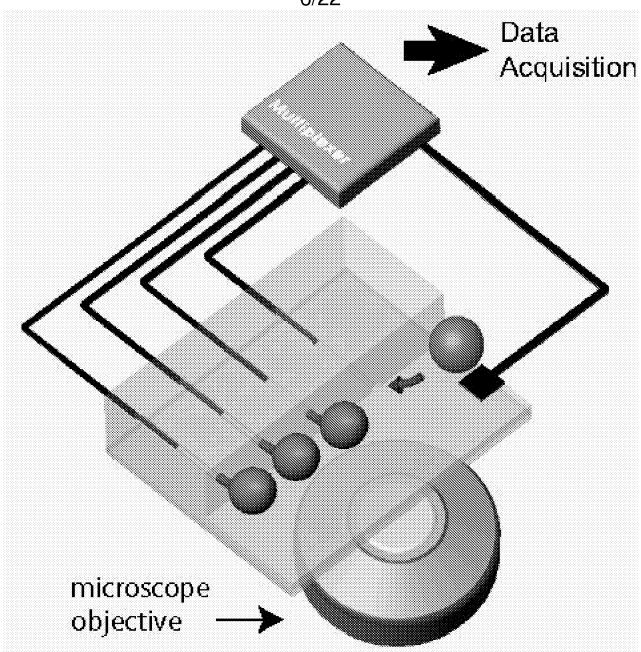


FIG. 6A



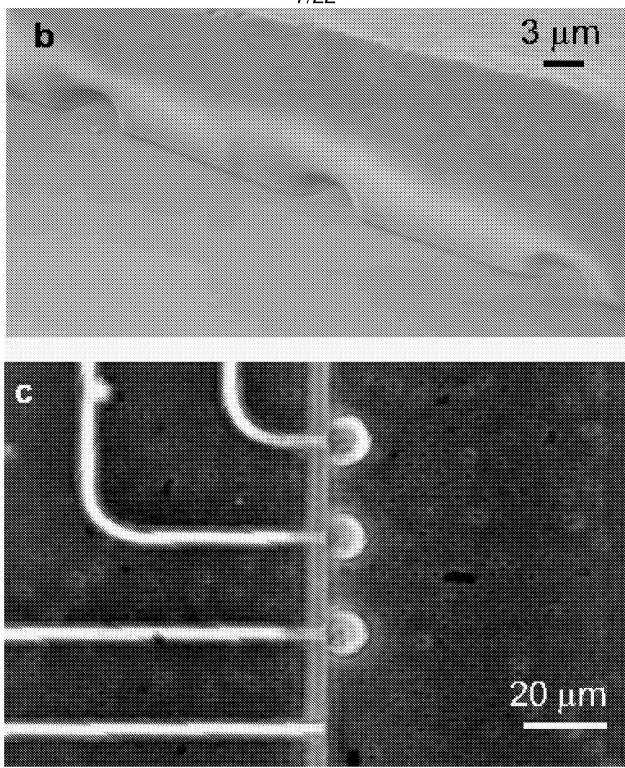
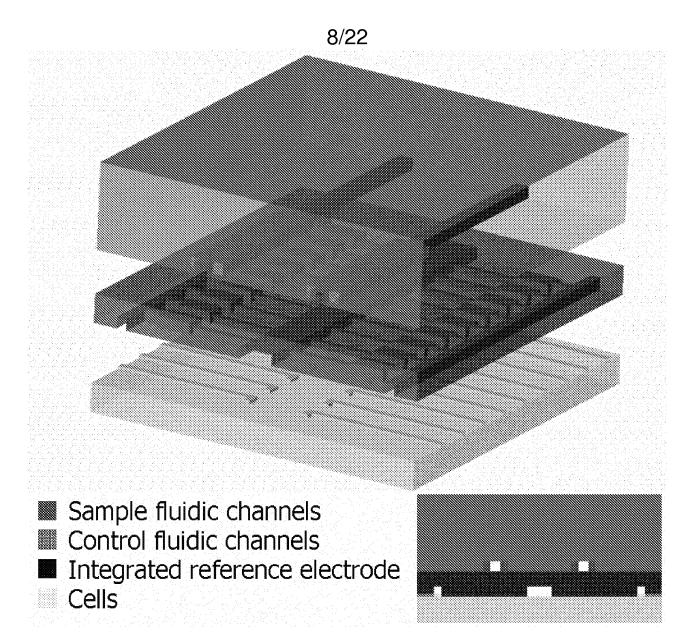
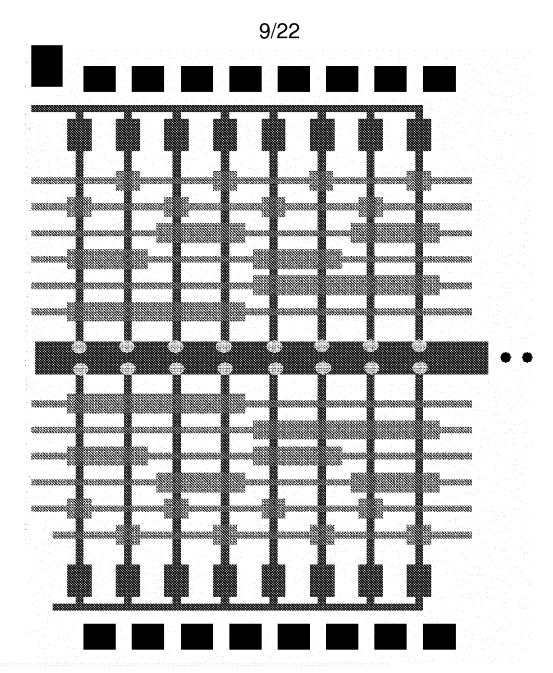


FIG. 6B&C



FIGS. 7A



- Sample fluidic channels
- Control fluidic channels
- Integrated reference electrode
- Cells



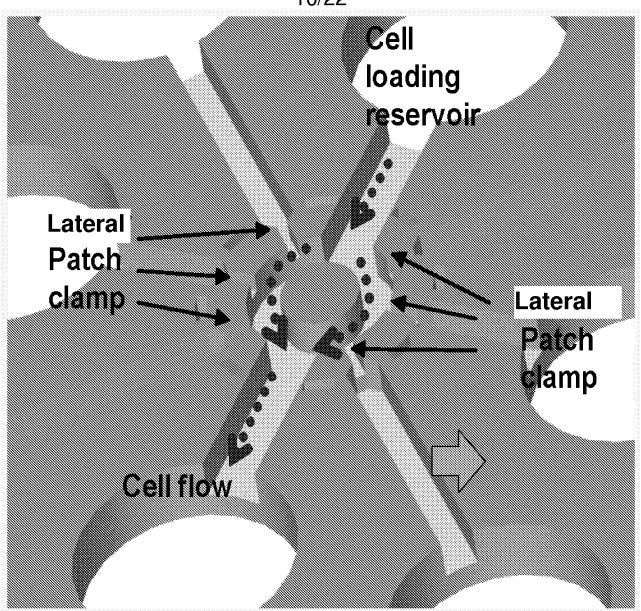
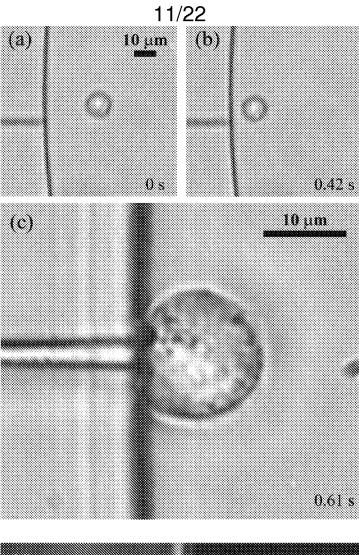
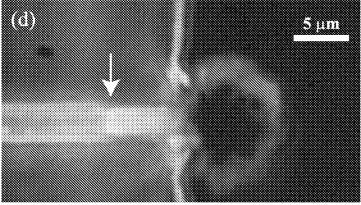
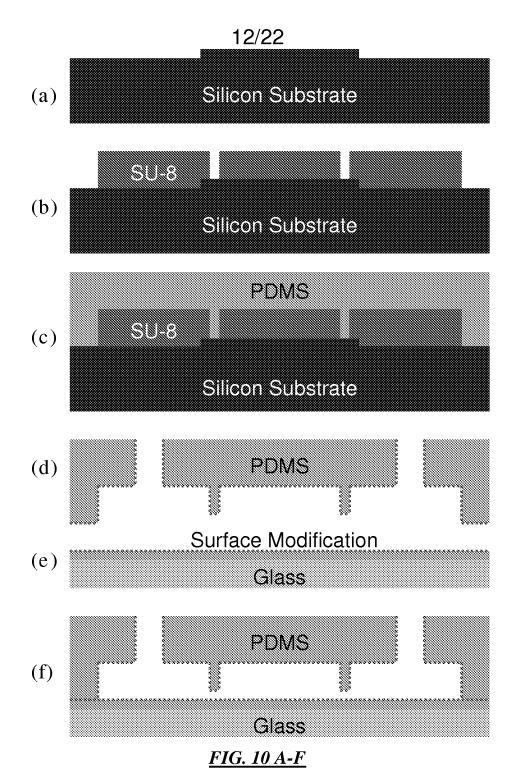


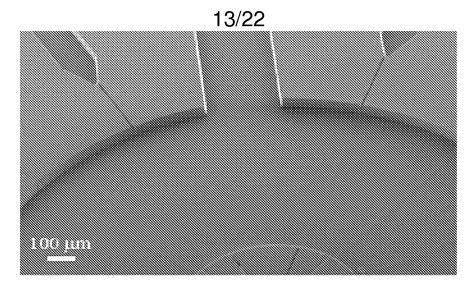
FIG. 8

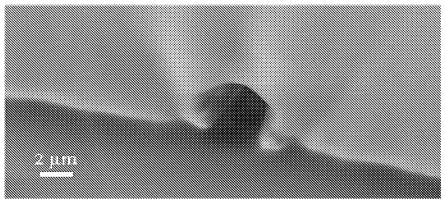




<u>FIG. 9</u>







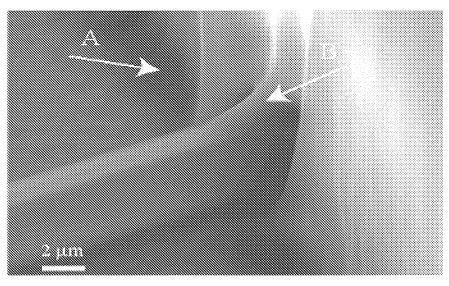


FIG. 10 G&H&I

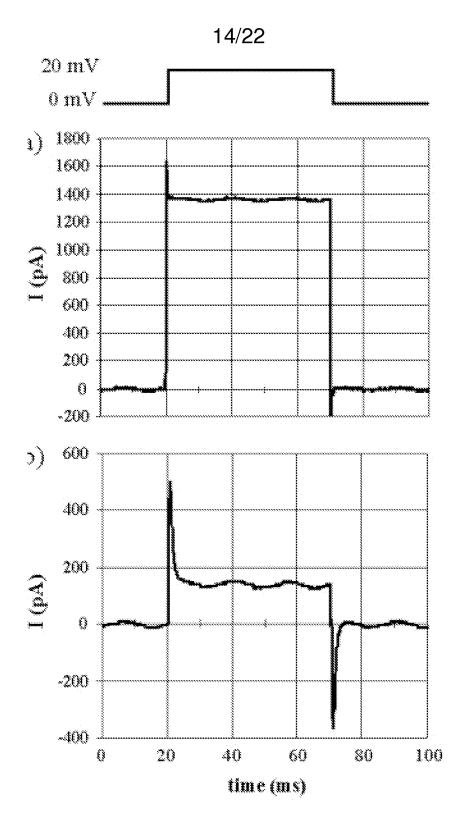
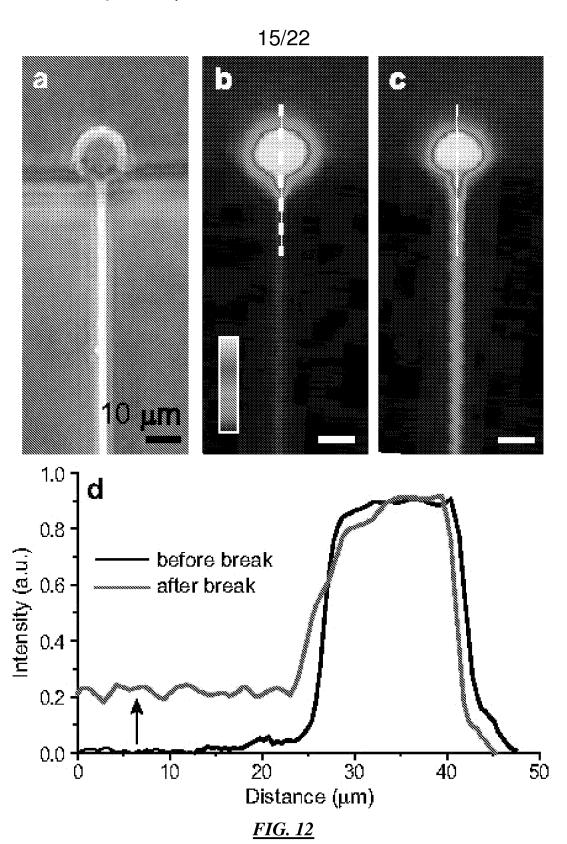
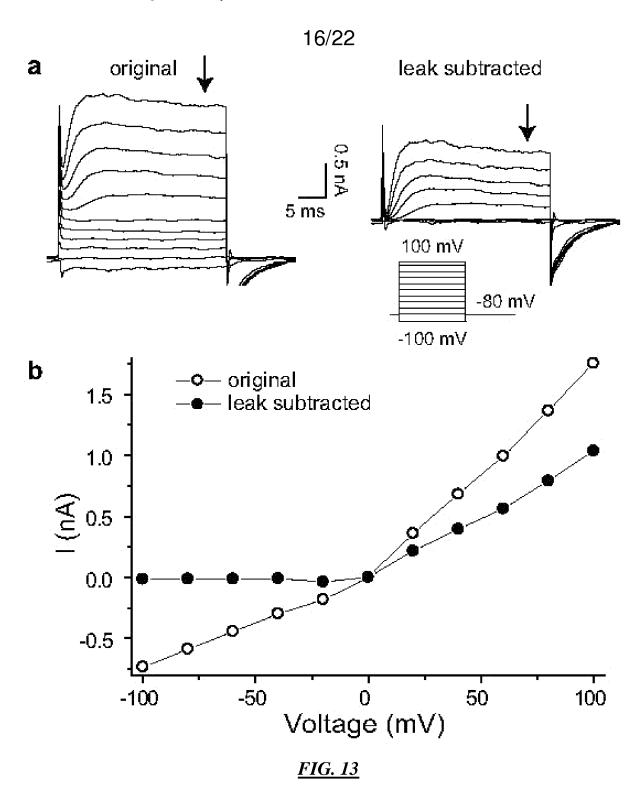


FIG. 11A&B





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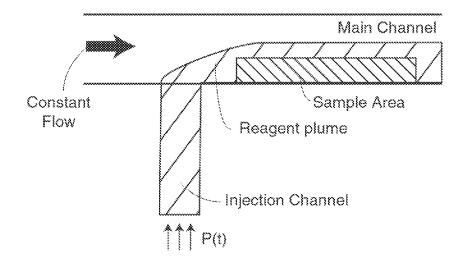
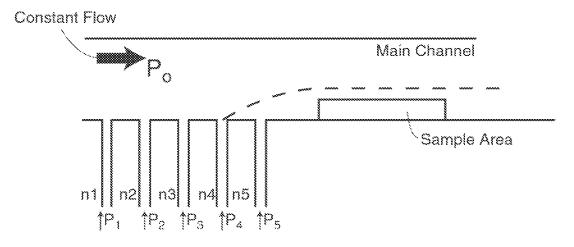


FIG. 14



injection channels n1-5 are preloaded

FIG. 15

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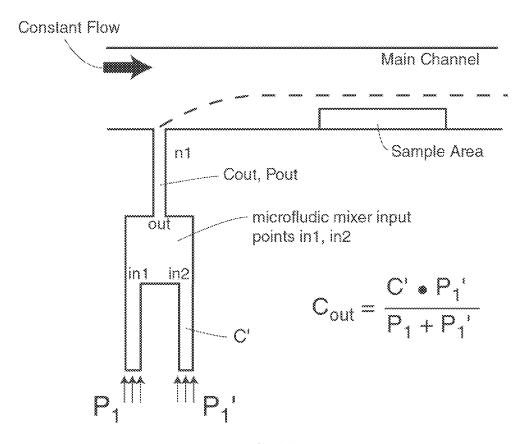


FIG. 16

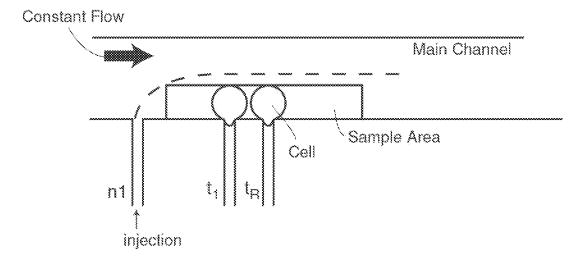


FIG. 17

METHODS AND APPARATUS FOR INTEGRATED CELL HANDLING AND MEASUREMENTS

Luke P. Lee Filed 12-Sept-06 QIPLG Attorney Docket No.: 313S.3008.11US; SJL Tel. No. 510-337-7871

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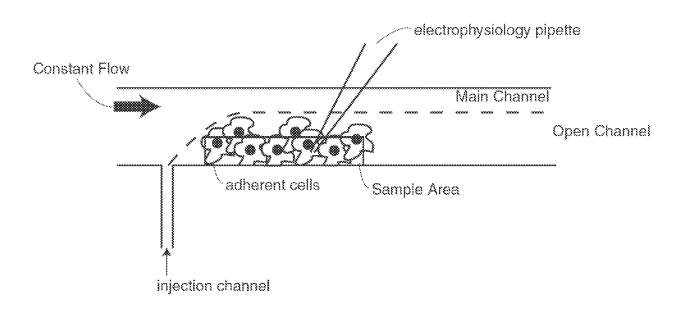


FIG. 18

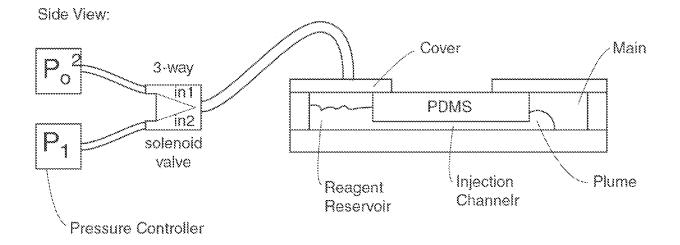


FIG. 19

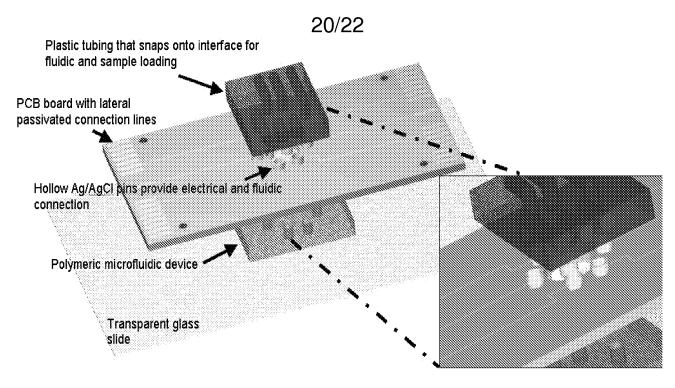


FIG. 20

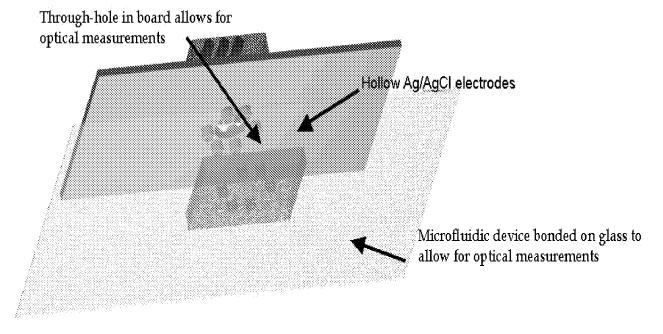


FIG. 21

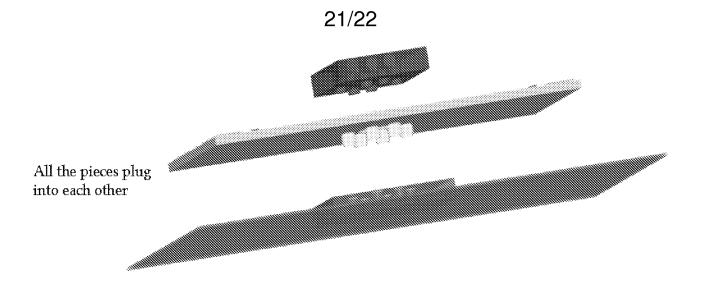


FIG. 22

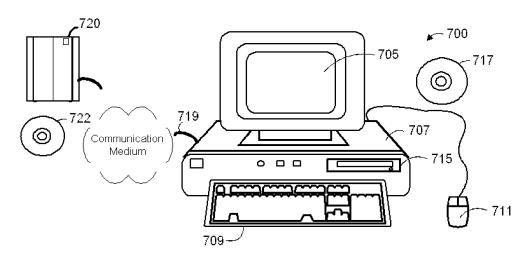


FIG. 23

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Disease Classification	Disease
Cardiovascular Disease	Atherosclerosis; Unstable angina; Myocardial Infarction; Restenosis
	after angioplasty or other percutaneous intervention; Congestive Heart
	Failure; Myocarditis; Endocarditis; Endothelial Dysfunction;
	Cardiomyopathy
Endocrine Disease	Diabetes Mellitus I and II; Thyroiditis; Addisson's Disease
<u>Infectious Disease</u>	Hepatitis A, B, C, D, E; Malaria; Tuberculosis; HIV; Pneumocystis
	Carinii; Giardia; Toxoplasmosis; Lyme Disease; Rocky Mountain
	Spotted Fever; Cytomegalovirus; Epstein Barr Virus; Herpes Simplex
	Virus; Clostridium Dificile Colitis; Meningitis (all organisms);
	Pneumonia (all organisms); Urinary Tract Infection (all organisms);
	Infectious Diarrhea (all organisms)
<u>Angiogenesis</u>	Pathologic angiogenesis; Physiologic angiogenesis; Treatment
	induced angiogenesis
Inflammatory/Rheumatic	Rheumatoid Arthritis; Systemic Lupus Erythematosis;
<u>Disease</u>	Sjogrens Disease; CREST syndrome; Scleroderma;
	Ankylosing Spondylitis; Crohn's; Ulcerative Colitis; Primary
	Sclerosing Cholangitis; Appendicitis; Diverticulitis; Primary
	Biliary Sclerosis; Wegener's Granulomatosis; Polyarteritis
	nodosa; Whipple's Disease; Psoriasis; Microscopic
	Polyanngiitis; Takayasu's Disease; Kawasaki's Disease;
	' '
	Autoimmune hepatitis; Asthma; Churg-Strauss Disease;
	Beurger's Disease; Raynaud's Disease; Cholecystitis;
	Sarcoidosis; Asbestosis; Pneumoconioses
Transplant Rejection	Heart; Lung; Liver; Pancreas; Bowel; Bone Marrow; Stem
	Cell; Graft versus host disease; Transplant vasculopathy
Leukemia and Lymphoma	

FIG. 24. (TABLE 1)